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PTO/SB/08a (08-03)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 9

Application Number	10/033,732
Filing Date	December 27, 2001
First Named Inventor	Chen, et al.
Group Art Unit	3723
Examiner Name	David B. Thomas
Attorney Docket Number	AMAT/4100.Y4/CMP/CMP/RK
Submission Date	May 19, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
D37	A1	US-1,601,642	09/28/1928	Parker	FAX RECEIVED MAY 19 2005 OFFICE OF PETITIONS
	A2	US-1,927,162	09/19/1933	Fiodor, et al.	
	A3	US-2,112,691	03/29/1938	Crowder	
	A4	US-2,240,265	04/28/1941	Nachtman	
	A5	US-2,302,687	01/08/1946	Nachtman	
	A6	US-2,431,065	11/18/1947	Miller	
	A7	US-2,451,341	10/12/1948	Jemstedt	
	A8	US-2,453,481	11/09/1948	Wilson	
	A9	US-2,434,935	11/30/1948	Miller	
	A10	US-2,456,185	12/14/1948	Grube	
	A11	US-2,457,510	12/28/1948	van Ornum	
	A12	US-2,458,676	01/11/1949	Brenner, et al.	
	A13	US-2,461,556	02/15/1949	Lorig	
	A14	US-2,473,280	06/14/1949	Millard	
	A15	US-2,477,808	08/02/1949	Jones	
	A16	US-2,479,323	08/18/1949	Davis	
D37	A17	US-2,480,022	08/23/1949	Hogaboom	
	A18	US-2,490,055	12/06/1949	Holl	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
D37	B1	EP 1 361 023	11/12/2003	Applied Materials		
	B2	JP 58-171264 (English abstract)	10/7/1983	Nitto Electric		X
	B3	JP 61-079666 (English abstract)	4/23/1988	Fujitsu		X
	B4	JP 61-265279 (English abstract)	11/25/1988	Tohoku Metal Ind. Ltd.		X
D37	B5	JP 63-028512 (English abstract)	2/6/1988	Hilachi Ltd.		X

Examiner

Date Considered

3/1/05

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**SUPPLEMENTAL INFORMATION
DISCLOSURE
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(Use as many sheets as necessary)

Sheet 2

of 9

Application Number	10/033,732
Filing Date	December 27, 2001
First Named Inventor	Chan, et al.
Group Art Unit	3723
Examiner Name	David B. Thomas
Attorney Docket Number	AMAT/4100.Y4/CMP/CMP/RK
Submission Date	May 19, 2005

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		Number-Kind Code ² (if known)			
DSJ	A19	US-2,485,895	01/31/1950	Camin, et al.	
	A20	US-2,500,205	03/14/1950	Schaefer	
	A21	US-2,500,208	03/14/1950	Schaefer, et al.	
	A22	US-2,503,663	04/11/1950	Bart	
	A23	US-2,508,794	05/09/1950	Kennedy, et al.	FAX RECEIVED
	A24	US-2,509,304	05/30/1950	Klein	
	A25	US-2,512,328	06/20/1950	Hays	
	A26	US-2,517,907	08/08/1950	Mikulias	MAY 19 2005
	A27	US-2,519,945	08/22/1950	Twale, et al.	OFFICE OF PETITIONS
	A28	US-2,530,877	11/21/1950	Berkenkotter, et al.	
	A29	US-2,535,868	12/28/1950	Teplitz	
	A30	US-2,536,912	01/02/1951	Coberti	
	A31	US-2,539,898	01/30/1951	Davis	
	A32	US-2,540,175	02/06/1951	Rosenqvist	
	A33	US-2,544,510	03/06/1951	Prahl	
A34	US-2,549,878	04/17/1951	Flandt		
DSJ	A35	US-2,554,943	05/13/1951	Farmer	
	A36	US-2,556,017	06/05/1951	Vonada	

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OFFICE OF PETITIONS**FOREIGN PATENT DOCUMENTS**

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DSJ	B6	JP 05-277857 (English abstract)	10/26/1993	Nippon Micro Kookaingu KK		X
	B7	JP 10-006213 (English abstract)	1/13/1998	Tokyo Seimatsu Co Ltd		X
	B8	JP 2870537 (English abstract)	3/17/1999	NEC Corp		X
DSJ	B9	JP 11-239961 (English abstract)	7/9/1999	NEC Corp		X
	B10	JP 2000-218513 (English abstract)	8/8/2000	NEC Corp		X

Examiner

Date Considered

8/1/05

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3

of 9

Application Number	10/033,732
Filing Date	December 27, 2001
First Named Inventor	Chen, et al.
Group Art Unit	3723
Examiner Name	David B. Thomas
Attorney Docket Number	AMAT/4100.Y4/CMP/CMP/RK
Submission Date	May 19, 2005

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		Number-Kind Code ² (if known)			
BST	A37	US-2,560,534	07/17/1951	Adler	
	A38	US-2,560,968	07/17/1951	Lee	
	A39	US-2,569,577	10/02/1951	Reading	
	A40	US-2,569,578	10/02/1951	Rieger	
	A41	US-2,571,709	10/16/1951	Gray	
	A42	US-2,578,074	11/20/1951	Nachtman	
	A43	US-2,587,630	03/04/1952	Konrad, et al.	
	A44	US-2,619,454	11/25/1952	Zapponi	
	A45	US-2,633,452	03/31/1953	Hogaboom, Jr. et al.	
	A46	US-2,648,398	07/21/1953	Henderson	
	A47	US-2,658,283	10/20/1953	Fink, et al.	
	A48	US-2,658,284	10/20/1953	Toulmin	
	A49	US-2,657,177	10/27/1953	Rendel	
	A50	US-2,657,467; RE 25424	11/03/1953	Toulmin	
	A51	US-2,673,838	03/30/1954	Vonada	
	A52	US-2,674,850	04/06/1954	Dunlevy, et al.	
	A53	US-2,675,348	04/19/1954	Greenspan	
BST	A54	US-2,880,710	06/08/1954	Kenmore, et al.	

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Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ² -Number ² -Kind Code ² (if known)				
BST	B11	JP 2001-179611 (English abstract)	7/3/2001	NEC Corp		X
	B12	JP 2001-244223 (English abstract)	9/7/2001	Hitachi Chem Co Ltd		X
	B13	KR 2003-037158 (English abstract)	5/12/2003	Samsung Electronics Co.		X
	B14	WO 93/15879	8/19/1993	3M Co.		
BST	B15	WO 00/59682	10/12/2000	Nu Tool, Inc.		

Examiner

Date Considered

8/1/05

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Sheet

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9

Application Number

10/033,732

Filing Date

December 27, 2001

First Named Inventor

Chen, et al.

Group Art Unit

3723

Examiner Name

David B. Thomas

Attorney Docket Number

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		Number-Kind Code* (if known)			
D37	A55	US-2,684,839	07/27/1954	Geese	FAX RECEIVED MAY 19 2005 OFFICE OF PETITIONS
	A56	US-2,689,215	09/14/1954	Bart	
	A57	US-2,685,289	11/23/1954	de Witz, et al.	
	A58	US-2,698,859	12/14/1954	Somma	
	A59	US-2,688,832	01/04/1955	Swanson	
	A60	US-2,708,173	04/12/1955	Wells, et al.	
	A61	US-2,708,175	04/12/1955	Licharz	
	A62	US-2,708,445	05/17/1955	Manson, et al.	
	A63	US-2,710,834	06/14/1955	Vrilakas	
	A64	US-2,711,993	06/28/1955	Lyon	
D37	A65	US-3,334,041	08/01/1967	Dyer, et al.	
	A66	US-3,433,730	03/18/1969	Kennedy, et al.	
	A67	US-3,476,677	11/04/1969	Corley, et al.	
	A68	US-3,607,707	08/21/1971	Chenavler	
	A69	US-3,942,959	03/09/1976	Markoo, et al.	
	A70	US-3,992,178	11/18/1976	Markoo, et al.	
	A71	US-4,047,902	08/13/1977	Wiand	
	A72	US-4,082,838	04/04/1978	Jumer	

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Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code* Number* Kind Code* (if known)				
D37	B16	WO 01/88229	11/22/2001	ACM Research		
D37	B17	WO 03/001581	1/3/2003	Micron Technology		
	B18					
	B19					
	B20					

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		Number-Kind Code ² (if known)			
DST	A73	US-4,119,515	10/10/1978	Costakis	FAX RECEIVED MAY 19 2005 OFFICE OF PETITIONS
	A74	US-4,312,716	01/26/1982	Maschler, et al.	
	A75	US-4,523,411	06/18/1985	Freerks	
	A76	US-4,704,511	11/03/1987	Miyano	
	A77	US-4,752,371	06/21/1988	Kreisel, et al.	
	A78	US-4,772,381	09/20/1988	Dorsett, et al.	
	A79	US-4,839,993	06/20/1989	Masuko, et al.	
	A80	US-4,856,058	09/11/1990	Zubatova, et al.	
	A81	US-5,011,510	04/30/1991	Hayakawa, et al.	
	A82	US-5,061,294	10/29/1991	Harmer, et al.	
DST	A83	US-5,066,370	11/19/1991	Andreshak, et al.	
	A84	US-5,096,550	03/17/1992	Mayer et al.	
	A85	US-5,108,463	04/28/1992	Buchanan	
	A86	US-5,137,542	08/11/1992	Buchanan, et al.	
	A87	US-5,203,884	04/20/1993	Buchanan, et al.	
	A88	US-5,328,716	07/12/1994	Buchanan	
	A89	US-5,478,435	12/26/1995	Murphy, et al.	
	A90	US-5,560,763	10/01/1996	Schnabel et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
DST	B21					
	B22					
	B23					
	B24					
	B25					

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DST	A91	US-5,633,068	05/27/1997	Ryoko, et al.	
	A92	US-5,634,078	08/05/1997	Ferronato	
	A93	US-5,702,811	12/30/1997	Ho, et al.	
	A94	US-5,738,574	04/14/1998	Tolles, et al.	
	A95	US-5,840,829	11/24/1998	Carpio	
	A96	US-5,840,190	11/24/1998	Scholander, et al.	
	A97	US-5,882,491	03/18/1999	Wardle	
	A98	US-5,948,697	08/07/1999	Itala	
	A99	US-6,074,284	06/13/2000	Tani, et al.	
	A100	US-6,077,337	06/20/2000	Lee	
DST	A101	US-6,176,998	01/23/2001	Wardle et al.	
	A102	US-6,183,354	02/06/2001	Zuniga, et al.	
	A103	US-6,238,592	05/28/2001	Hardy et al.	
	A104	US-6,318,108	11/20/2001	Adefris, et al.	
	A105	US-6,368,180	04/09/2002	Easter, et al.	
	A106	US-6,383,068	05/07/2002	Chen, et al.	
	A107	US-6,431,968	08/13/2002	Chen, et al.	
	A108	US-6,447,668	08/10/2002	Wang	

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		Country Code ² -Number ³ -Kind Code ⁵ (if known)				
T	B26					
	B27					
	B28					
	B29					
	B30					

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). * See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. * Applicant is to place a check mark here if English language Translation is attached.

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

9

Application Number

10/033,732

Filing Date

December 27, 2001

First Named Inventor

Chen, et al.

Group Art Unit

3723

Examiner Name

David B. Thomas

Attorney Docket Number

AMAT/4100.Y4/CMP/CMP/RK

Submission Date

May 19, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
D37	A109	US-6,537,140	03/25/2003	Miller, et al.	
	A110	US-6,537,144	03/25/2003	Teal, et al.	
	A111	US-6,656,019	12/02/2003	Chen, et al.	
	A112	US-6,685,548	02/03/2004	Chen, et al.	
	A113	US-6,739,951	05/25/2004	Sun, et al.	
	A114	US-6,752,700	08/22/2004	Duescher	
	A115	US-6,769,969	08/03/2004	Duescher	
	A116	US-6,848,977	02/01/2005	Cook, et al.	
	A117	US-2001/0027018	10/04/2001	Molnar	
	A118	US-2002/0025760	02/28/2002	Lee, et al.	
	A119	US-2002/0025763	02/28/2002	Lee, et al.	
	A120	US-2002/0108861	08/15/2002	Emesh, et al.	
	A121	US-2002/0123300	09/05/2002	Jones, et al.	
	A122	US-2002/0130049	09/19/2002	Chen, et al.	
	A123	US-2002/0146963	10/10/2002	Teetzel	
	A124	US-2002/0148732	10/17/2002	Emesh, et al.	
D37	A125	US-2003/0034131	02/20/2003	Park, et al.	
	A126	US-2003/0040186	02/27/2003	Hsu, et al.	

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ² -Number ⁴ -Kind Code ⁵ (if known)				
	B31					
	B32					
	B33					
	B34					
	B35					

Examiner

Date Considered

9/1/05

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

8

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Application Number

10/033,732

Filing Date

December 27, 2001

First Named Inventor

Chen, et al.

Group Art Unit

3723

Examiner Name

David B. Thomas

Attorney Docket Number

AMAT/4100.Y4/CMP/CMP/RK

Submission Date

May 19, 2005

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		Number-Kind Code ² (if known)			
D2	A127	US-2003/0114087	06/19/2003	Duboust, et al.	FAX RECEIVED MAY 19 2005 OFFICE OF PETITIONS
	A128	US-2003/0116446	06/26/2003	Sun, et al.	
	A129	US-2003/0116448	06/26/2003	Duboust, et al.	
D257	A130	US-2003/0213703	11/20/2003	Wang, et al.	
	A131	US-2003/0220053	11/27/2003	Manens, et al.	
	A132	US-			
	A133	US-			
	A134	US-			
	A135	US-			
	A136	US-			
	A137	US-			
	A138	US-			
	A139	US-			
	A140	US-			
	A141	US-			
	A142	US-			
	A143	US-			
	A144	US-			

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		Country Code ² -Number ³ -Kind Code ⁴ (if known)				
	B36					
	B37					
	B38					
	B39					
	B40					

Examiner

Date Considered

3/1/05

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**SUPPLEMENTAL INFORMATION
DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

9

of

9

Application Number

10/033,732

Filing Date

December 27, 2003

First Named Inventor

Chen, et al.

Group Art Unit

3723

Examiner Name

David B. Thomas

Attorney Docket Number

AMAT/4100.Y4/CMP/CMP/RK

Submission Date

May 19, 2005

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
<i>DB</i>	C1	PCT Written Opinion dated April 1, 2003 for PCT/US02/11009. (4100 EP 02)	
	C2	Notification of Transmittal of International Preliminary Examination Report dated November 10, 2003 (4100 EP 02)	
	C3	European Search Report for 03252801.0, dated January 16, 2004 (7047 EP).	
	C4	Communication pursuant to Article 96(2) EPC for Application No. 02728965.4, dated June 11, 2004 (4100 EP 02)	
	C5	Copy of Search Report issued by the Austrian Patent Office for corresponding Singapore Patent Application No. 200302562-4, provided by letter dated October 7, 2004.	
	C6	Invitation to pay additional fees dated November 11, 2004 (4100 P5 PCT)	
	C7	Notification of Transmittal of International Search Report and Written Opinion dated February 21, 2005 (4100 PCT)	
	C8	Notification of transmittal of the International Search report and Written Opinion dated March 14, 2005 (4100 P5 PCT)	
	C9	PCT International Search Report and Written Opinion dated April 28, 2005 for PCT/US04/037870. (AMAT/4100PC09)	
	C10	Alexander, Jr., "Electrically Conductive Polymer Nanocomposite Materials", http://www.afrlhorizons.com/Briefs/Sept02/ML0206.html , Date Unknown	
<i>DB</i>	C11	Contolini, "Electrochemical Planarization of ULSI Copper," Solid State Technology, Vol. 40, No. 6, June 1, 1997	

Examiner

Date Considered

8/1/05

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**SUPPLEMENTAL INFORMATION
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STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	1	of	1
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Complete if Known

Application Number	10/033,732
Filing Date	DECEMBER 27, 2001
First Named Inventor	CHEN, ET AL.
Art Unit	3723
Examiner Name	DAVID B. THOMAS
Attorney Docket Number	AMAT/4100 Y4/PPC/CMP/RKK

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
B37	B1	JP 06-047678 (English Abs.)	02/22/1994	Kawasaki Steel Corp.		X
	B2	JP 11-216663	12/12/2000	Sony Corp.		
	B3	WO 00/71297	11/30/2000	Lam Research, Corp.		

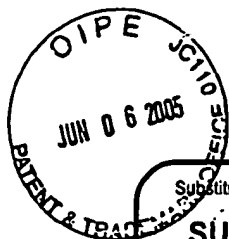
**Examiner
Signature**

Date Considered

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Sheet 1 of 1

Complete if Known

Application Number	10/033,732
Filing Date	DECEMBER 27, 2001
First Named Inventor	CHEN, ET AL.
Art Unit	3723
Examiner Name	DAVID B. THOMAS
Attorney Docket Number	AMAT/4100.Y2/CMP/CMP/RKK

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		Number - Kind Code ² (if known)			
D37	A1	US-5,674,122	10/07/1997	Krech	
	A2	US-6,372,001	04/16/2002	Omar, et al.	
	A3	US-6,379,223	04/30/2002	Sun, et al.	
	A4	US-6,413,388	07/02/2002	Uzoh, et al.	
	A5	US-2003/0013397	01/16/2003	Rhoades	
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		Country Code ³ - Number ² - Kind Code ⁵ (if known)				
D37	B1	JP 2002-334658 (English abstract)	11/22/2002	Uchiyama, et al.		X

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SignatureDate
Considered

3/1/05

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